



Process Troubleshooting & Problem Solving Masterclass

Process & Chemical Engineering

QGT-PRC-184 | Masterclass | 5 or 10 days | Online, classroom, in-house

Course overview

Process Troubleshooting & Problem Solving Masterclass is a senior-level masterclass on strategy and performance in Process Troubleshooting & Problem Solving. It covers the principles, the requirements of API, AIChE/CCPS guidelines and licensor practice, and the practical methods used on site, with case studies from operations in the Gulf, Africa and worldwide. Available online, in the classroom in 60 cities, or in-house.

What participants will be able to do

- Explain the principles, terminology and scope of Process Troubleshooting & Problem Solving
- Apply the relevant requirements of API, AIChE/CCPS guidelines and licensor practice
- Use practical tools, checklists and calculations with confidence
- Recognise common problems, risks and root causes and choose the right corrective action
- Build a business case and roadmap their leadership team can act on

Who should attend

Designed for process engineers, chemical engineers, operators and laboratory staff in senior and leadership roles.

Course outline (5 days)

Day 1: Strategic view of Process Troubleshooting & Problem Solving

Trends, regulation and what leading companies do differently

Day 2: Benchmarking and performance

KPIs, maturity models and gap analysis

Day 3: Lessons from major incidents and projects

Decision points that changed outcomes

Day 4: Leading the change

Building the business case, budget and team capability

Day 5: Masterclass forum

Expert panel, peer exchange and personal roadmap

What the 10-day edition adds

Day 6: Applied project, part 1 – Apply the week-one methods to a case from your organisation

Day 7: Data and digital tools – Software, spreadsheets and digital tools used in practice

Day 8: Lessons from incidents and audits – What investigations and audit findings teach

Day 9: Applied project, part 2 – Complete, test and refine your solution

Day 10: Presentations and final assessment – Present to the group and complete the final assessment

Fees (USD per participant)

Duration	Live online	Classroom	In-house
5 days	\$3,000	\$5,500	On quote
10 days	\$5,500	\$9,900	On quote

Fees include course material and certificate of completion; classroom fees include refreshments and lunch. In-house training is priced per group.

Dates and cities 2027–2030

Dates	City	Format	Duration	Fee
7–11 Feb 2027	Doha	Classroom	5 days	\$5,500
17–28 May 2027	Frankfurt	Classroom	10 days	\$9,900
12–16 Jul 2027	Lisbon	Classroom	5 days	\$5,500
19–30 Jul 2027	Nairobi	Classroom	10 days	\$9,900
6–10 Dec 2027	Online (live)	Online (live)	5 days	\$3,000
10–14 Jan 2028	Accra	Classroom	5 days	\$5,500
24 Jan – 4 Feb 2028	Luanda	Classroom	10 days	\$9,900
31 Jan – 4 Feb 2028	Amsterdam	Classroom	5 days	\$5,500
2–13 Apr 2028	Erbil	Classroom	10 days	\$9,900
22–26 May 2028	Online (live)	Online (live)	5 days	\$3,000
29 Jan – 2 Feb 2029	Toronto	Classroom	5 days	\$5,500
9–20 Jul 2029	Baku	Classroom	10 days	\$9,900
29 Jul – 2 Aug 2029	Sharm El Sheikh	Classroom	5 days	\$5,500
7–18 Oct 2029	Al Khobar	Classroom	10 days	\$9,900
19–23 Nov 2029	Online (live)	Online (live)	5 days	\$3,000
3–7 Feb 2030	Riyadh	Classroom	5 days	\$5,500
18 Feb – 1 Mar 2030	Copenhagen	Classroom	10 days	\$9,900
20–24 May 2030	Houston	Classroom	5 days	\$5,500
9–20 Sep 2030	Munich	Classroom	10 days	\$9,900
18–22 Nov 2030	Online (live)	Online (live)	5 days	\$3,000

How to register

Register online or scan the code

<https://qimmatrainig.com/courses/process-troubleshooting-and-problem-solving-masterclass/>

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